

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A panel-form loudspeaker, comprising:
a radiating panel;
a frame for supporting and positioning said radiating panel;
a suspension unit disposed between said frame and the bottom periphery of said radiating panel, said suspension unit being made of a soft material;
a transducer comprising a voice coil unit and a magnet unit, said voice coil unit being coupled to said radiating panel at a specific location under said radiating panel; and
a linkage unit comprising a first linking portion coupled to said frame, a second linking portion coupled to said voice coil unit via a resilience support, and a third linking portion coupled to said magnet unit;
wherein said first linking portion comprises two hooks, and said frame comprises two slots corresponding to said two hooks, respectively, so as to be engaged with said two hooks.
2. (Original) The panel-form loudspeaker according to claim 1 wherein said specific location is at the center of said radiating panel.
3. (Original) The panel-form loudspeaker according to claim 1 wherein said radiating panel is a laminate plate with an intermediate core layer sandwiched between two composite layers.
4. (Currently Amended) the panel-form loudspeaker according to claim 3 wherein said intermediate core layer of said laminate plate is made of balsa ~~wool~~ wood (*Ochroma* spp.).

5. (Original) The panel-form loudspeaker according to claim 3 wherein said composite layer of said laminate plate is made of a material selected from a group consisting of a glass fiber-reinforced polymeric resin, a carbon fiber-reinforced polymeric resin, a Kevlar fiber-reinforced polymeric resin and a boron fiber-reinforced polymeric resin.

6. (Cancelled)

7. (Cancelled)

8. (Original) The panel-form loudspeaker according to claim 1 wherein said second linking portion comprises a ring-shaped protrusion.

9. (Original) The panel-form loudspeaker according to claim 1 wherein said third linking portion comprises a cylinder with a gap on the circumference thereof.

10. (Original) The panel-form loudspeaker according to claim 9 wherein said magnet unit comprises:

a top plate;

a permeance unit enclosed by the inner wall of said cylinder of the third linking portion; and

a permanent magnet disposed within said permeance unit, and having a top surface and a bottom surface coupled to said top plate and said permeance unit, respectively.

11. (Original) The panel-form loudspeaker according to claim 10 wherein said permeance unit is coupled to said third linking portion by means of a binder.

12. (Original) The panel-form loudspeaker according to claim 1 wherein there is at least one energy-attenuating hole in the vicinity of said second linking portion.

13. (Original) The panel-form loudspeaker according to claim 1 wherein said suspension unit is a one-piece soft strip.

14. (Original) The panel-form loudspeaker according to claim 13 wherein said suspension unit comprises a first part and a second part coupled to said radiating plate and said frame, respectively.

15. (Original) The panel-form loudspeaker according to claim 14 wherein said suspension unit further comprises a raised part between said first part and said second part.

16 (Currently Amended) A panel-form loudspeaker, comprising:
a radiating panel;
a frame for supporting and positioning said radiating panel;
a suspension unit disposed between said frame and the bottom periphery of said radiating panel, wherein said suspension unit is a one-piece soft strip;

a transducer comprising a voice coil unit and a magnet unit, said voice coil unit being coupled to said radiating panel at a specific location under said radiating panel; and

a linkage unit comprising a first linking portion coupled to said frame, a second linking portion coupled to said voice coil unit via a resilience support, and a third linking portion coupled to said magnet unit;

wherein said first linking portion comprises two hooks, and said frame comprises two slots corresponding to said two hooks, respectively, so as to be engaged with said two hooks.

17. (Currently Amended) A panel-form loudspeaker, comprising:
a radiating panel;
a frame for supporting and positioning said radiating panel;
a suspension unit disposed between said frame and the bottom periphery of said radiating panel, said suspension unit being a one-piece soft strip and comprising a first part and a second

part coupled to said radiating plate and said frame, respectively, and a raised part between said first part and said second part;

a transducer comprising a voice coil unit and a magnet unit, said voice coil unit being coupled to said radiating panel at a specific location under said radiating panel; and

a linkage unit comprising a first linking portion coupled to said frame, a second linking portion coupled to said voice coil unit via a resilience support, and a third linking portion coupled to said magnet unit;

wherein said first linking portion comprises two hooks, and said frame comprises two slots corresponding to said two hooks, respectively, so as to be engaged with said two hooks.